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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/014,812						
Filing Date	December 14, 2001						
First Named Inventor	Stephen PALMER et al.						
Group Art Unit	1756						
Confirmation No.	1664						
Attorney Docket Number	PALMER=1						

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Exan		Cite	U.S. Patent Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
13		AA	6,100,270	(if known)	CAMPBELL	8-8-2000	remant i filis es Appeai
7	r	AB	6,316,472	B1	FRENETTE, et al	11-13-2001	=
1		AC	6,316,457	B1	GARVEY, et al	11-13-2001	C
-	$\Box$	AD	6,303,789		BÄR, T.	10-16-2001	7 5
4	П	AE	5,087,615		CHAPPEL, S.	2-11-1992	出り
	1	AF	6,316,472		FRENETTE et al	11-13-2001	4 8
		AG	5,710,160		GUAY, et al	1-20-1998	TD 4
ક્લ	الالا	Ŧ	5,710,170		GUAY, et al	1-20-1998	ā 2
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							)[22]

U.S. DATENT DOCUMENTS

					N PATENT DOCUMEN	<del> </del>	r	
xaminer nitials*	Cite No.1	Office <sup>3</sup>	Foreign Patent Nu	Mind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
Swe	Al	wo	98/02440		BRÄUNLICH, et al	1-22-1998		
4	AJ	wo	98/14432		FREYNE, et al	4-9-1998		
c	AK	wo	98/18796		HERSPERGER, R.	5-6-1998		
-1	AL	wo	97/48697		COX, et al	12-24-1997		
1	AM	wo	97/44036		DYKE, et al	11-27-1997		
	AN	wo	97/44322		DYKE, et al	11-27-1997		
	AO	wo	97/44337		DYKE, et al	11-17-1997	_	
4	AP	wo	98/20007		DYKE, et al	5-14-1998	PA.	
1	AQ	wo	97/42174		MARFAT, A.	11-13-1997	(5)	
SUL	AR	wo	97/49702		MARFAT, A.	12-31-1997	Mar	7.
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<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>1</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language Translation is attached.

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	Sheet 2 of 3  OTHER PRIOR ART - I  Include name of the author (in item (book, magazine, journal, se publicate)  AS BRITO, et al, "Type 4 Phosphodiesterase Disease", Chapter 12, Emerging Drugs: 1361-9195: 2:249-268 (1997).  AT CONTI, M., "Phosphodiesterases and Cyth (14(9):1317-1327 (2000).  AU COOKE, G.M. "Differential Effects of Trill isomerase Reactions in Androgen and 16-Biochem Mol Biol 58:1 95-101 (1996).  AV M. FILICORI, "Ovulation Induction: Gonac Endocrinology, Surgery, and Technology, (1996).  AW S. FRANKS et al., "Ovulation Induction: Cyth (1996).  AX HASSAN, et al., "Phosphodiesterase Inhib Fertility & Sterility, S249: 489, Alexandria I			DR ART - NO	N PATENT LITERATURI	E DOCUMENTS		3	
Exam Initial			item (boo	de name ol ok, magazir	ie, journal, serial,	APITAL LETTERS), little of article symposium, catalog, etc.), date, or, city and/or country where publications.	page(s), volume-issue number(s),	-	
الما	) (	AS	Disease", Chapter 1	2, <u>Emergi</u>	ng Drugs: The	ibitors and their Potential in the Prospect for Improved Medic	e Treatment of Inflammatory Ines, Ashley Publications Ltd., ISSN	<u>.</u>	D 188
		AT	CONTI, M., "Phospi 14(9):1317-1327 (2	hodiestera 000).	ises and Cyclic	Nucleotide Signaling in Endoc	crine Cells", <u>Molecular Endocrinology</u> ,	COCCOUNTY OF THE PROPERTY OF T	1000
λÌ		AU	Isomerase Reaction	is in Andro	gen and 16-An	ane and Cyanoketone on the 3 drostene Biosynthetic Pathwa	Beta-Hydroxysteroid Dehydrogenase ys in the Pig Testis", <u>J Steroid</u>	•	
Ø	9	AV	Endocrinology, Surg	ation Indu	ction: Gonadotn [echnology, Vol	opin-Releasing Hormone and ume 2, Chapter 61, Lippincott	lts Agonists", <u>Reproductive</u> -Raven Publishers, Philadelphia		
(	R	AW	S. FRANKS et al., " Vol. 2, Chapter 60, i	Ovulation Lippincott-	Induction: Gon Raven Publishe	adotropins", <u>Reproductive Enc</u> ers, Philadelphia (1996).	docrinology, Surgery, and Technology		
7		AX	HASSAN, et al, "Ph Fertility & Sterility, S	osphodies 249: 489,	iterase Inhibitor Alexandria ICS	Improved Responsiveness to I-IVF Center, Alexandria, Egyp	Gonadotropins In Low Responders*, pt.	~	
e		AY	KARLSSON, et al. " Ashley Publications	'Pulmonar Ltd., ISSI	y-Allergy, Derm N 1354-3776, 7(	atological, Gastrointestinal & / (9):989-1003 (1997).	Arthritis", Exp. Opin, Ther. Patents.		Ş
		AZ	MOVSESIAN, M., " Exp. Opin, Invest. D	Therapeut )rugs, Ash	ic Potential of C ley Publications	cyclic Nucleotide Phosphodies Ltd., ISSN 1354-3784, 9(5):S	terase Inhibitors in Heart Faury 963-973 (2000).	Y X	25
	80	ВА	NORMAN, P., "PDE 1101-1118 (1999).	E4 Inhibito	rs 1999", <u>Exp. (</u>	Opin, Ther. Patents, Ashley Po	ublications Ltd., ISSN 1354-3776, 9(8	C	5
	à	88	O'DONNELL, J., "V Therapeutic Uses",	Villiam Hai Exp. Opin	vey Research ( Invest, Drugs,	Conference on PDE Inhibitors: Ashley Publications Ltd., ISS	Drugs with an Expanding Range of N 1354-3784, 9(3):621-625 (2000).		
		ВС	"Patent Evaluation: WO9845268", Exp.	Nicotinan Opin, The	nide Derivatives er. Patents, Ash	as Selective Inhibitors of PDE ley Publications Ltd., ISSN 13	4: Pfizer Products, Inc. 154-3776, 9(4):481-485 (1999).		
1	Ð	BD	"Patent Evaluation: Inhibitors: Celitech Publications Ltd., IS	Therapeut	ics Ltd.: WO97	723460 & WO9723461". Exp.	Arthritis: Phosphodiesterase 4 Opin. Ther Patents, Ashley		

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			/

"Patent Evaluation: Substituted Indazole Derivatives and their use as Inhibitors of PDE4 and the Production of Turnour Necrosis Factor: Pfizer, Inc.: WO9742174", Exp. Opin, Ther. Patents, Ashley Publications Ltd., ISSN 1354-3776, 8(8):1053-1056 (1998).

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S		BF	"Patent Evaluation: A Heterogeneous Collection of Novel Phosphodiesterase Type 4 Inhibitors", Exp. Opin. Ther. Patents, Ashley Publications Ltd., ISSN 1354-3776, 8(11):1529-1536 (1998).	
	4	BG	"Patent Evaluation: Benzoluran and Quinoline Carboxamides and Quinoline Sulfonamides as TNF Inhibitors and as PDE4 inhibitors: Chiroscience Ltd.: WO9744337, WO9744036, WO9744322", Exp. Opin. Ther. Patents, Ashley Publications Ltd., ISSN 1354-3776, 8(7):899-905 (1998).	
	£	вн	R. PHILOSOPHIE et al., "Gonadotropin-Induced Ovulation", Reproductive Endocrinology, Surgery, and Technology, Vol. 1, Chapter 54, Lippincott-Raven Publishers, Philadelphia (1996).	
	1	BI	SHETTY, et al. "Effect of Estrogen Deprivation on the Reproductive Physiology of Male and Female Primates", J. Steroid Biochem Mol Biol 61:3-6, 157-166 (1997).	
	a	BJ	VAN LOON, "In utero exposure to gonadotrophins", <u>Female Infertility Therapy Current Practice</u> , Chapter 1, SHOHAM, et al. (Eds.), Martin Dunitz Ltd., London (1999)	
	1	8K	SHUGHRUE et al., "Regulation of Progesterone Receptor Messenger Ribonucleic Acid in the Rat Medial Preoptic Nucleus by Estrogenic and Antiestrogenic Compounds: an in situ hybridization study", <u>Endocrinology</u> , 138:12, 5476-5484 (1999).	
	*	BL	A. TSAFRIRI et al., "Ovulation", Reproductive Endocrinology, Surgery, and Technology, Vol. 1, Chapter 11, Lippincott-Raven Publishers, Philadelphia (1996).	
	Y	ВМ	TURNER, et al., "Effect of Chronic Administration of an Aromatase Inhibitor to Adult Male Rats on Pituitary and Testicular Function and Fertility", <u>J Endocrinol</u> , 164:2, 225-238 (2000).	
S	ا نوخ	BN	CHAPPEL et al., "Basic Knowledge About Recombinant Gonadotrophic Hormone Production", <u>Female Infertility</u> <u>Therapy Current Practice</u> , Chapter 9, SHOHAM, et al. (Eds.), Martin Dunitz Ltd., London (1999)	
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